

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12-18-03 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

**1. DRAWINGS.** 37 CFR 1.84(a): Acceptable  
categories of drawings: Black ink or  
Color (3 sets required).

Color drawings are not acceptable until petition is  
granted. Fig(s) \_\_\_\_\_

Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

**2. PHOTOGRAPHS.** 37 CFR 1.84(b)

One (1) full-tone set is required. Fig(s) \_\_\_\_\_

Photographs may not be mounted. 37 CFR 1.84(e)

Photographs must meet paper size requirements of  
37 CFR 1.84(f). Fig(s) \_\_\_\_\_

Poor quality (half-tone). Fig(s) \_\_\_\_\_

**3. TYPE OF PAPER.** 37 CFR 1.84(e)

Paper not flexible, strong, white, and durable.

Fig(s) \_\_\_\_\_

Erasures, alterations, overwritings, interlineations,  
folds, copy machine marks not accepted.

Fig(s) \_\_\_\_\_

**4. SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable  
sizes:

21.0 cm by 29.7 cm (DIN size A4) or

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) \_\_\_\_\_

Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_

**5. MARGINS.** 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

Margins not acceptable. Fig(s) \_\_\_\_\_

Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_

Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

**6. VIEWS.** 37 CFR 1.84(h)

REMINDER: Specification may require revision to  
correspond to drawing changes, e.g., if Fig. 1 is  
changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the  
specification, at the Brief Description of the Drawings,  
must likewise be changed.

Views not labeled separately or properly.

Fig(s) \_\_\_\_\_

**7. SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)

Sectional designation should be noted with  
Arabic or Roman numbers. Fig(s) \_\_\_\_\_

**8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right  
fashion when page is either upright or turned so  
that the top becomes the right side, except for  
graphs. Fig(s) \_\_\_\_\_

**9. SCALE.** 37 CFR 1.84(k)

Scale not large enough to show mechanism  
without crowding when drawing is reduced in  
size to two-thirds in reproduction.  
Fig(s) \_\_\_\_\_

**10. CHARACTER OF LINES, NUMBERS, &  
LETTERS.** 37 CFR 1.84(l)

Lines, numbers & letters not uniformly thick and  
well defined, clean, durable, and black (poor line  
quality). Fig(s) 2-5

**11. SHADING.** 37 CFR 1.84(m)

Solid black areas pale. Fig(s) \_\_\_\_\_

Solid black shading not permitted. Fig(s) \_\_\_\_\_

**12. NUMBERS, LETTERS, & REFERENCE  
CHARACTERS.** 37 CFR 1.84(p)

Numbers and reference characters not plain and  
legible. Fig(s) 2-5

Figure legends are poor. Fig(s) 2-5

Numbers and reference characters not oriented in  
the same direction as the view. 37 CFR 1.84(p)(1)  
Fig(s) \_\_\_\_\_

English alphabet not used. 37 CFR 1.84(p)(2)  
Fig(s) \_\_\_\_\_

Numbers, letters and reference characters must be  
at least 32 cm (1/8 inch) in height. 37 CFR  
1.84(p)(3). Fig(s) \_\_\_\_\_

**13. LEAD LINES.** 37 CFR 1.84(q)

Lead lines missing. Fig(s) \_\_\_\_\_

**14. NUMBERING OF SHEETS OF DRAWINGS.**  
37 CFR 1.84(t)

Sheets not numbered consecutively, and in Arabic  
numbers beginning with number 1. Sheet(s) \_\_\_\_\_

**15. NUMBERING OF VIEWS.** 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic  
numerals, beginning with number 1. Fig(s) \_\_\_\_\_

**16. DESIGN DRAWINGS.** 37 CFR 1.152

Surface shading shown not appropriate.

Fig(s) \_\_\_\_\_

Solid black surface shading is not permitted except  
when used to represent the color black as well as  
color contrast. Fig(s) \_\_\_\_\_

COMMENTS: Remove THE SHADING FROM FIG. 2-5

Reviewer J. Chase

If you have questions, call (703) 305-8404.

Date 5-4-05

Attachment to Paper No. \_\_\_\_\_

**Attachment for PTO-948 (Rev. 03/01, or earlier)**  
6/18/01

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities – 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTO-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.